

Amendments to the Specification

Please replace paragraph [0002] with the following rewritten paragraph:

[0002] Conventionally, an electrostatic capacitance detection device used for fingerprint sensor or the like is formed of a sensor electrode and a dielectric layer, provided on the sensor electrode, on a single crystal silicon substrate. See, for example, Japanese laid-open patent publication No. 11-118415, No. 12-346608, No. 13-56204 and No. 13-133213). FIG. 1 shows an operating principle of the conventional electrostatic capacitance detection device. A sensor electrode and a dielectric layer form an electrode and a dielectric layer of a capacitor, and a human body becomes the other electrode, which is grounded. The electrostatic capacitance C_F of this capacitor changes depending on the indentation of a fingerprint contacting the surface of the dielectric layer. A capacitor having the electrostatic capacitance C_S is prepared on the semiconductor substrate, and the two capacitors are coupled in series and a predetermined voltage is applied thereon. This allows an electric charge Q to be generated between the two capacitors depending on the indentation of the fingerprint. The electric charge Q can be detected using a usual semiconductor technology, and surface contours of the object can be read.

Please replace paragraph [0003] with the following rewritten paragraph:

[0003] However, because the conventional electrostatic capacitance detection devices are formed on a single crystal silicon substrate, there has been a problem that the devices are cracked when a finger is strongly pressed thereon when used for a fingerprint sensor. Furthermore, the fingerprint sensor inevitably requires a size of approximately 20 mm x 20 mm for its application, and most of the area of the electrostatic capacitance detection device is dominated by a sensor electrode. The sensor electrode is, of course, formed on the single crystal silicon substrate, however, most area of the single crystal silicon substrate (beneath the sensor electrode), which is produced by consuming large amount of resources and labor, only plays a role of a supporting body. In other words, there has been a problem that the conventional electrostatic capacitance detection devices are not only expensive, but also have a large amount of waste and expense associated with their manufacture.

Please replace paragraph [0004] with the following rewritten paragraph:

[0004] In addition, it is recently required strongly that a personal authenticating function is provided on cards, such as credit card and cash card, to enhance safety of cards. However, there has been a problem that the electrostatic capacitance detection devices manufactured on the conventional single crystal ~~silicon~~^{silicon} substrate is not so flexible, therefore, the devices cannot be manufactured on a plastic substrate.